

## **Title 15: Mississippi State Department of Health**

### **Part 18: On-site Wastewater**

#### **Subpart 77: On-site Wastewater Regulations**

##### **Rule 2.1.31 Certified Installer Training Program and Examination**

1. Those persons taking written examination specified in Section **41-67-25(3)(b)** shall pay a fee for such testing as determined by the Department based on the actual costs of preparing and administering the examinations.
2. Attendance of the Department's 2 day Certified Installers training course.
3. Applicant must achieve a score of 80% or better on the closed book examination.
4. All persons completing the above items will be granted a probationary certificate. The probationary certificate will be valid for 1 year. A person will be probationary until he/she installs 3 Individual On-site Wastewater Disposal Systems as indicated from a Permit/Recommendation and work has been inspected by the Division during installation with no deficiencies indicated on Inspection (Form 305). Probationary status will remain in effect until person is deemed competent by the Division.

*SOURCE: Miss Code Ann § 41-67-3*

##### **Rule 5.5.17. Construction:**

1. The chamber system absorption trenches shall be a minimum of 18 inches and a maximum of 36 inches in width.
2. The bottom of the trenches shall have a grade from level to no greater than two (2) inches fall per 100 feet.
3. The grade shall be measured from the trench bottom and not the chamber top.
4. The chamber system shall be covered as per the manufacturer's specifications. In all cases there shall be a minimum of 12 inches of soil cover over the chamber system.
5. The minimum height of a chamber, at its centerline, shall be 8 inches.
6. The last chamber in each "run" shall be terminated with an end plate.

*SOURCE: Miss Code Ann § 41-67-3*

## CHAPTER 7. FEES

Rule 7.1 The Department shall assess fees in the amount for the following processes. In the discretion of the Board, a person shall be liable for a penalty equal to one and one-half (1-1/2) times the amount of the fee due and payable for failure to pay the fee on or before the date due, plus any amount necessary to reimburse the cost of collection. All fees due the Department shall be paid by check or money order.

*SOURCE: Miss Code Ann § 41-67-3*

### Subchapter 1. Administrative

1. Soil and Site Evaluation
  - a. Permit/Recommendation.....\$50.00
2. Existing System (Inspection).....\$50.00
3. Final Approval
  - a. Design-based System.....\$75.00
  - b. Performance-based System.....\$250.00
  - c. Re-inspection (per inspection).....\$25.00
4. Examination.....\$100.00
5. Registration(Certification and CEU/PDH).....\$25.00
6. Return Check .....\$50.00
7. Late.....1/2 certification fee

*SOURCE: Miss Code Ann § 41-67-3*

### Subchapter 2. Certification

1. Certified Manufacturer
  - a. Product Review.....\$250.00
  - b. Certification of Registration.....\$100.00
2. Certified Professional Evaluator
  - a. Initial Certification.....\$600.00
  - b. Renewal Certification.....\$500.00
3. Certified Installer

- a. Initial Certification.....\$50.00
  - b. Renewal Certification.....\$50.00
- 4. Certified Pumper
  - a. Initial Certification.....\$50.00
  - b. Inspection (by county).....\$25.00/Vehicle
  - c. Renewal Certification.....\$50.00

*SOURCE: Miss Code Ann § 41-67-3*

### **Subchapter 3. Review**

- 1. Subdivision .....\$250.00 + \$5.00/lot
- 2. Commercial Development.....\$50.00 + \$2.00/lot
- 3. Commercial Establishment.....\$50.00
- 4. Submittal (PE or CPE)
  - a. Design-based System.....\$100.00
  - b. Performance-based System.....\$250.00
  - c. 1500 gpd or more.....\$250.00
  - d. High strength wastes streams.....\$250.00

*SOURCE: Miss Code Ann § 41-67-3*

**Rule 7.2** Fees authorized under this section shall not be assessed for any system operated by state agencies or institutions, including, without limitation, foster homes licensed by the State Department of Human Services. The fee authorized under this section shall not be charged again after payment of the initial fee for any system that has been installed in accordance with this chapter, within a period of 24 months following the date that the system was originally installed.

*SOURCE: Miss Code Ann § 41-67-3*

## SETBACK REQUIREMENTS FROM SENSITIVE WATER

Minimum Distance from the Water Edge

Soil Textural Class	Slope of Less Than 8 Percent	Slope of More Than 8 Percent
Gravel	NOT APPLICABLE	
<i>Coarse Sand</i>	50 feet	50 feet
<i>Medium Sand</i>	50 feet	50 feet
<i>Fine Sand</i>	50 feet	50 feet
Loamy Sand	50 feet	50 feet
Sandy Loam	50 feet	50 feet
<i>Light Loam</i>	50 feet	50 feet
<i>Heavy Loam</i>	50 feet	50 feet
Silt Loam	50 feet	50 feet
Sandy Clay Loam	50 feet	50 feet
<i>Light Clay Loam</i>	50 feet	50 feet
<i>Heavy Clay Loam</i>	50 feet	50 feet
<i>Light Silty Clay Loam</i>	50 feet	50 feet
<i>Heavy Silty Clay Loam</i>	50 feet	50 feet
Sandy Clay	50 feet	50 feet
Silty Clay	50 feet	50 feet
Clay	50 feet	50 feet

The effluent disposal setback is based on the soil texture of the horizon in which the absorption trench or bed is to be placed. These setbacks are to be used on all individual on-site wastewater disposal systems except **spray irrigation disposal and overland discharge**.

## SETBACK REQUIREMENTS FROM SENSITIVE WATER

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Loamy Sand	50 feet	50 feet
Sandy Loam	50 feet	50 feet
<i>Light Loam</i>	50 feet	50 feet
<i>Heavy Loam</i>	50 feet	50 feet
Silt Loam	50 feet	50 feet
Sandy Clay Loam	50 feet	50 feet
<i>Light Clay Loam</i>	50 feet	50 feet
<i>Heavy Clay Loam</i>	50 feet	50 feet
<i>Light Silty Clay Loam</i>	50 feet	50 feet
<i>Heavy Silty Clay Loam</i>	50 feet	50 feet
Sandy Clay	50 feet	50 feet
Silty Clay	50 feet	50 feet
Clay	50 feet	50 feet

The effluent disposal setback is based on the soil texture of the horizon in which the absorption trench or bed is to be placed. These setbacks are to be used on all individual on-site wastewater disposal systems except **spray irrigation disposal and overland discharge**.

## LARGE DIAMETER PIPE

### Results of Soil and Site Evaluation

Soil Textural Class	Ribbon Lengths (Inches)	Loading Rate GPD/ Ft <sup>2</sup>	Absorption Area Per Bedroom**						Additional Absorption Area Over 2 Persons Per Bedroom**					
			Ft <sup>2</sup>			*Lf			Ft <sup>2</sup>			*Lf		
			6	8	10	6	8	10	6	8	10	6	8	10
Gravel	-	-	NOT SUITABLE											
Coarse Sand	-	1.2	189	189	125	63	63	43	95	95	63	32	32	22
Medium Sand	-	1.2	189	189	125	63	63	43	95	95	63	32	32	22
Fine Sand	-	0.8	285	285	190	95	95	63	143	143	95	43	43	32
Loamy Sand	-	0.8	285	285	190	95	95	63	143	143	95	43	43	32
Sandy Loam	<.5	0.6	375	375	250	125	125	83	188	188	125	63	63	42
Light Loam	<.5	0.6	375	375	250	125	125	83	188	188	125	63	63	42
Heavy Loam	.5 – 1	0.45	504	504	335	168	168	112	252	252	168	84	84	56
Silt Loam	<1	0.45	504	504	335	168	168	112	252	252	168	84	84	56
Sandy Clay Loam	1 – 2	0.45	504	504	335	168	168	112	252	252	168	118	118	56
Light Clay Loam	1 – 1.5	0.30	750	750	500	250	250	167	375	375	250	125	125	84
Heavy Clay Loam	1.5 – 2.0	0.20	1125	1125	750	375	375	250	563	563	375	188	188	125
Light Silty Clay Loam	1 – 1.5	0.30	750	750	500	250	250	167	375	375	250	125	125	84
Heavy Silty Clay Loam	1.5 – 2.0	0.20	1125	1125	750	375	375	250	563	563	375	188	188	125
Sandy Clay	>2.0	-	NOT SUITABLE											
Silty Clay	>2.0	-	NOT SUITABLE											
Clay	>2.0	-	NOT SUITABLE											

Minimum and maximum trench widths are 24 and 36 inches, respectively.

\*\* Bedroom is equivalent to 150 gallons per day.

## MULTI-PIPE SYSTEM

### Results of Soil and Site Evaluation

Soil Textural Class	Ribbon Lengths (Inches)	Loading Rate GPD/ Ft <sup>2</sup>	Absorption Area Per Bedroom**								Additional Absorption Over 2 Person Per Bedroom**							
			MP -14		MP - 13		MP - 11		MP - 9		MP - 14		MP - 13		MP - 11		MP - 9	
			Ft <sup>2</sup>	Lf	Ft <sup>2</sup>	Lf	Ft <sup>2</sup>	Lf	Ft <sup>2</sup>	Lf	Ft <sup>2</sup>	Lf	Ft <sup>2</sup>	Lf	Ft <sup>2</sup>	Lf	Ft <sup>2</sup>	Lf
Gravel	-	-	NOT SUITABLE															
Coarse Sand	-	1.2	125	42	96	32	111	37	132	44	63	21	48	16	57	19	66	22
Medium Sand	-	1.2	125	42	96	32	111	37	132	44	63	21	48	16	57	19	66	22
Fine Sand	-	0.8	190	63	144	48	168	56	201	67	98	32	72	24	84	28	102	34
Loamy Sand	-	0.8	190	63	144	48	168	56	201	67	98	32	72	24	84	28	102	34
Sandy Loam	<.5	0.6	250	83	189	63	222	74	264	88	125	42	96	32	111	37	132	44
Light Loam	<.5	0.6	250	83	189	63	222	74	264	88	125	42	96	32	111	37	132	44
Heavy Loam	.5 – 1	0.45	335	112	255	85	297	99	354	118	168	56	129	43	150	50	177	59
Silt Loam	<1	0.45	335	112	255	85	297	99	354	118	168	56	129	43	150	50	177	59
Sandy Clay Loam	1 – 2	0.45	335	112	255	85	297	99	354	118	168	56	129	43	150	50	177	59
Light Clay Loam	1 – 1.5	0.30	500	167	381	127	444	148	591	177	250	84	192	64	222	74	267	89
Heavy Clay Loam	1.5 – 2.0	0.20	750	250	570	190	669	223	795	265	375	125	285	95	336	112	399	133
Light Silty Clay Loam	1 – 1.5	0.30	500	167	381	127	444	148	591	177	250	84	192	64	222	74	267	89
Heavy Silty Clay Loam	1.5 – 2.0	0.20	750	250	570	190	669	223	795	265	375	125	285	95	336	112	399	133
Sandy Clay	>2.0	-	NOT SUITABLE															
Silty Clay	>2.0	-	NOT SUITABLE															
Clay	>2.0	-	NOT SUITABLE															

Minimum and maximum trench widths are 24 and 36 inches, respectively.

\*\* Bedroom is equivalent to 150 gallons per day.

# EXPANDED POLYSTYRENE SYSTEM (EPS)

## “HORIZONTAL” CONFIGURATION

### Results of Soil and Site Evaluation

Soil Textural Class	Ribbon Lengths (Inches)	EPA Manual Application Rate GPD/ Ft <sup>2</sup>	Absorption Area Per Bedroom**								Additional Absorption Over 2 Person Per Bedroom**							
			3-10H		1 – 12		2 – 12		3 -12		3-10 Inch		1-12 Inch		2-12 Inch		3-12 Inch	
			Ft <sup>2</sup>	Lf	Ft <sup>2</sup>	Lf	Ft <sup>2</sup>	Lf	Ft <sup>2</sup>	Lf	Ft <sup>2</sup>	Lf	Ft <sup>2</sup>	Lf	Ft <sup>2</sup>	Lf	Ft <sup>2</sup>	Lf
Gravel	-	-	NOT SUITABLE															
Coarse Sand	-	1.2	88	35	162	86	86	43	87	29	43	17	82	41	42	21	42	14
Medium Sand	-	1.2	88	35	162	86	86	43	87	29	43	17	82	41	42	21	42	14
Fine Sand	-	0.8	133	53	262	131	132	66	132	44	65	26	132	66	66	33	66	22
Loamy Sand	-	0.8	133	53	262	131	132	66	132	44	65	26	132	66	66	33	66	22
Sandy Loam	<.5	0.6	173	69	346	173	174	87	174	58	88	35	172	86	86	43	87	29
Light Loam	<.5	0.6	173	69	346	173	174	87	174	58	88	35	172	86	86	43	87	29
Heavy Loam	.5 – 1	0.45	233	93	462	231	232	116	231	77	115	46	228	114	114	57	114	38
Silt Loam	<1	0.45	233	93	462	231	232	116	231	77	115	46	228	114	114	57	114	38
Sandy Clay Loam	1 – 2	0.45	233	93	462	231	232	116	231	77	115	46	228	114	114	57	114	38
Light Clay Loam	1 – 1.5	0.30	345	138	690	345	246	173	345	115	173	69	346	173	174	87	174	58
Heavy Clay Loam	1.5 – 2.0	0.20	520	208	1036	518	520	260	231	173	260	104	518	259	260	130	258	86
Light Silty Clay Loam	1 – 1.5	0.30	345	138	690	345	246	173	345	115	173	69	346	173	174	87	174	58
Heavy Silty Clay Loam	1.5 – 2.0	0.20	520	208	1036	518	520	260	345	173	260	104	518	259	260	130	258	86
Sandy Clay	>2.0	-	NOT SUITABLE															
Silty Clay	>2.0	-	NOT SUITABLE															
Clay	>2.0	-	NOT SUITABLE															

Minimum and maximum trench widths are 24 and 36 inches, respectively.

\*\* Bedroom is equivalent to 150 gallons per day.



## EXPANDED POLYSTYRENE SYSTEM (EPS)

### “TRIANGULAR” CONFIGURATION

#### Results of Soil and Site Evaluation

Soil Textural Class	Ribbon Lengths (Inches)	EPA Manual Application Rate GPD/ Ft <sup>2</sup>	Absorption Area Per Bedroom**		Additional Absorption Over 2 Person Per Bedroom**	
			3-10 Inch		3-10 Inch	
			Ft <sup>2</sup>	Lf	Ft <sup>2</sup>	Lf
Gravel	-	-	NOT SUITABLE			
Coarse Sand	-	1.2	62	31	30	15
Medium Sand	-	1.2	62	31	30	15
Fine Sand	-	0.8	96	48	48	24
Loamy Sand	-	0.8	96	48	48	24
Sandy Loam	<.5	0.6	126	63	64	32
Light Loam	<.5	0.6	126	63	64	32
Heavy Loam	.5 – 1	0.45	168	84	84	42
Silt Loam	<1	0.45	168	84	84	42
Sandy Clay Loam	1 – 2	0.45	168	84	84	42
Light Clay Loam	1 – 1.5	0.30	250	125	126	63
Heavy Clay Loam	1.5 – 2.0	0.20	376	188	188	94
Light Silty Clay Loam	1 – 1.5	0.30	250	125	126	63
Heavy Silty Clay Loam	1.5 – 2.0	0.20	376	188	188	94
Sandy Clay	>2.0	-	NOT SUITABLE			
Silty Clay	>2.0	-	NOT SUITABLE			
Clay	>2.0	-	NOT SUITABLE			

Minimum and maximum trench widths are 24 and 36 inches, respectively. The **Triangular Configuration** can only be installed in a trench.

\*\* Bedroom is equivalent to 150 gallons per day.

# CHAMBER SYSTEM

## Classification

CLASS	SQUARE FEET/CHAMBER SECTION
I	7.51 – 9.50
II	9.51 – 11.50
III	11.51 – 13.50
IV	13.51 – 15.50
V	15.51 – 17.50
VI	17.51 – 19.50
VII	19.51 – 21.50
VIII	21.51 – 23.50

## CHAMBER SYSTEM

### Results of Soil and Site Evaluation

Soil Textural Class	Ribbon Lengths (Inches)	EPA Manual Application Rate GPD/ Ft <sup>2</sup>	Absorption Area in Ft <sup>2</sup> Per Bedroom**	Absorption Area in Chambers Per Bedroom**								Additional Absorption Area Over 2 Persons Per Bedroom**							
				I	II	III	IV	V	VI	VII	VIII	I	II	III	IV	V	VI	VII	VIII
Gravel	-	-		NOT SUITABLE															
Coarse Sand	-	1.2	88	10	8	7	6	5	5	4	4	5	4	3	3	3	2	2	2
Medium Sand	-	1.2	88	10	8	7	6	5	5	4	4	5	4	3	3	3	2	2	2
Fine Sand	-	0.8	133	15	13	11	9	8	7	6	6	7	6	5	5	4	4	3	3
Loamy Sand	-	0.8	133	15	13	11	9	8	7	6	6	7	6	5	5	4	4	3	3
Sandy Loam	<.5	0.6	175	20	17	14	12	11	10	9	8	10	8	7	6	5	5	4	4
Light Loam	<.5	0.6	175	20	17	14	12	11	10	9	8	10	8	7	6	5	5	4	4
Heavy Loam	.5 – 1	0.45	235	26	22	19	16	14	13	11	10	13	11	9	8	7	6	6	5
Silt Loam	<1	0.45	235	26	22	19	16	14	13	11	10	13	11	9	8	7	6	6	5
Sandy Clay Loam	1 – 2	0.45	235	26	22	19	16	14	13	11	10	13	11	9	8	7	6	6	5
Light Clay Loam	1 – 1.5	0.30	350	39	33	28	28	21	19	17	16	19	17	14	12	11	9	9	8
Heavy Clay Loam	1.5 – 2.0	0.20	525	58	50	40	35	32	28	26	23	29	25	20	17	16	14	13	12
Light Silty Clay Loam	1 – 1.5	0.30	350	39	33	28	24	21	19	17	16	19	17	14	12	11	9	9	8
Heavy Silty Clay Loam	1.5 – 2.0	0.20	525	58	50	40	35	32	28	26	23	29	25	20	17	16	14	13	12
Sandy Clay	>2.0	-		NOT SUITABLE															
Silty Clay	>2.0	-		NOT SUITABLE															
Clay	>2.0	-		NOT SUITABLE															

Minimum and maximum trench widths are 18 and 36 inches, respectively.

\*\* Bedroom is equivalent to 150 gallons per day.

**Title 15: Mississippi State Department of Health**

**Part 18: On-site Wastewater**

**Subpart 77: On-site Wastewater Regulations**

Rule 1.1.39. ~~Fees: Soil and Site Evaluation~~

1. ~~Permit/Recommendation~~.....\$50.00
2. ~~FEES: Submittal Review~~

<del>Design-based System</del>	<del>\$100.00</del>
<del>Performance-based System</del>	<del>\$250.00</del>

3. ~~FEES: Final Approval~~

<del>Design-based System</del>	<del>\$75.00</del>
<del>Performance-based System</del>	<del>\$250.00</del>
<del>Re-Inspection (per inspection)</del>	<del>\$25.00</del>

~~SOURCE: Miss Code Ann § 41-67-3~~

Rule 1.1.40. ~~The fee authorized under this section shall not be assessed for any system operated by state agencies or institutions, including, without limitation, foster homes licensed by the State Department of Human Services. The fee authorized under this section shall not be charged again after payment of the initial fee for any system that has been installed in accordance with this chapter, within a period of 24 months following the date that the system was originally installed.~~

~~SOURCE: Miss Code Ann § 41-67-3~~

Rule 2.1.32 Certified Installer Training Program and Examination

1. Those persons taking written examination specified in Section **41-67-25(3)(b)** shall pay a fee for such testing as determined by the Department based on the actual costs of preparing and administering the examinations.
2. Attendance of the Department's 2 day Certified Installers training course.

3. Applicant must achieve a score of 80% or better on the closed book examination.
4. ~~The Division may initiate levels of certification for the installation of specific types of Individual On Site Wastewater Disposal System(s). This certification may include training and testing above the basic level. All persons completing the above items will be granted a probationary certificate. The probationary certificate will be valid for 1 year. A person will be probationary until he/she installs 3 Individual On-site Wastewater Disposal Systems as indicated from a Permit/Recommendation and work has been inspected by the Division during installation with no deficiencies indicated on Inspection (Form 305). Probationary status will remain in effect until person is deemed competent by the Division.~~

*SOURCE: Miss Code Ann § 41-67-3*

**Rule 3.1.13. Fees:** ~~A fee shall be levied for the review of submitted proposals as follows:~~

1. ~~The fee for review of subdivisions will be a minimum of two hundred fifty dollars (\$250.00) dollars and five dollars (\$5.00) for each lot indicated in the plat.~~
2. ~~The fee for review of engineered projects in excess of 1500 gallons per day or systems designs to treat high strength wastes (not typical of domestic wastewater) will be two hundred fifty dollars (\$250.00) dollars.~~
3. ~~The fee for review of projects less than 1500 gallons per day, RV parks, manufactured housing parks, and commercial establishments will be a minimum of fifty dollars (\$50.00) and two dollars (\$2.00) for each lot indicated in the proposal.~~

*SOURCE: Miss Code Ann § 41-67-3*